

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP 2004/009763

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G10K15/04, G10K15/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G10K15/04, G10K15/02, G06F17/60

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
EX	JP 2004-38069 A (Hidetoshi Yamauchi) 2004.02.05, Full text; Figs. 1 to 4, (Family: none)	25-28
X	JP 8-77263 A (Fujitsu Limited) 1996.03.22, Column 28, 35-37, 70-74, 122-138, & US 6278984 B1	1, 2, 6, 14, 17, 18, 20-24, 25, 28
Y		3, 4, 7, 9, 11-13, 15, 16, 26, 27
X	JP 2003-44058 A (Sony Corporation) 2003.02.14, Full text; Figs. 1 to 12, & US 2003-41123 A1	1, 2, 6, 14, 17, 18, 20-24, 25, 28
Y		3, 4, 7, 9, 11-13, 15, 16, 26, 27



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

26.10.2004

Date of mailing of the international search report

22.11.2004

Name and mailing address of the ISA/JP

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-195482 A (Digital laboratory Inc.) 2001.07.19, Column18-20, (Family: none)	3
Y	JP 2003-66972 A (Casio Computer Co., Ltd.) 2003.03.05, Full text; Figs. 1 to 10, (Family: none)	4
Y	JP 2003-151208 A (Matsushita Electric Industrial Co., Ltd.) 2003.05.23, Full text; Figs. 1 to 7, (Family: none)	4
Y	JP 11-102388 A (Nintendo Co., Ltd.) 1999.04.13, Full text; Figs.8 to 13, (Family: none)	7, 15
Y	JP 11-53184 A (Seta Corporation) 1999.02.26, Column39; Fig.1, (Family: none)	9
Y	JP 10-173737 A (Digital Vision Laboratories Corporation) 1998.06.26, Full text; Fig.1, (Family: none)	11, 12, 26, 27
Y	JP 2000-163082 A (SDT Corporation) 2000.06.16, Full text; Fig.4, (Family: none)	11, 12, 26, 27
Y	JP 2000-90351 A (Digicube Corporation) 2000.03.31, Column172, (Family: none)	13
Y	JP 2000-99041 A (Ng Kai Kong) 2000.04.07, Claim2, & US 6328570 B1	16
A	WO 2002/35414 (Interlex inc.) 2002.05.02, Full text; Figs.1 to 8, & EP 1338989 A1	8
A	JP 11-73360 A (Matsushita Electric Industrial Co., Ltd.) 1999.03.16, Full text; Figs.1 to 9, (Family: none)	8
A	WO 2000/28523 (Music Express Corporation) 2000.05.18, Full text; Figs.1 to 22, & US 6520776 B1, JP 3302996 B	11, 12, 16, 26, 27
A	JP 2002-108350 A (International Business Maschines Corporation) 2002.04.10, Full text; Figs.1 to 7, & US 2002-62261 A1	8